POWERFUL MOBILE PERFORMANCE

Experience the performance of the Intel® Core™ 2 Duo T5550 (1.83GHz[8]) processor with 2MB of L2 cache and 3GB of pre-installed system memory.

The VAIO® FZ comes pre-installed with Genuine Microsoft® Windows Vista® Home Premium.

Tackle virtually any graphics requirement with a NVIDIA® GeForce® 8400M GT with 256MB of dedicated Video RAM and advanced 3D graphic engines allowing you to power through your favorite graphic intensive games and programs at a HD resolution.

Offering a massive boost in wireless connection speed and range, work and play quicker anywhere within your office or home using next-generation 802.11n integrated wireless LAN technology.

A spacious 250GB[9] (5400RPM) hard drive offers an abundance of storage space for your favorite games, music, videos and photos.

STUNNING HD ENTERTAINMENT

Watch your favorite Blu-ray Disc™ media[15] in stunning HD on the 15.4" widescreen display[2].

With XBRITE-ECO™ LCD technology see deeper blacks, brighter whites, true-to-life color and razor sharp detail from almost any angle.

A convenient HDMI™ slot allows for easy, one-wire output of both audio and HD video content to your compatible HDTV without compromising the high-quality digital signal.

Extend the reach of your FZ notebook with Stereo Bluetooth® technology that is ideal for advanced wireless communication and streaming uncompromised CD quality stereo music to Bluetooth® speakers or headphones[16] (sold separately).

CONTEMPORARY FUNCTIONAL DESIGN

Brushed aluminum entertainment control panels and a durable, lightweight magnesium alloy chassis showcase the VAIO® FZ notebook's functional yet contemporary design elements, wrapped in a thin-and-light 5.9 lbs[1] package (with standard capacity battery).

Three USB ports, ExpressCard® and Memory Stick PRO™ slots are conveniently located on the front and sides of the FZ notebook for easy, straightforward accessibility.

The 15.4"[2] Blu-ray Disc™ enabled VAIO® FZ notebook with XBRITE-ECO™ LCD technology features Stereo Bluetooth® technology[16] for wireless audio streaming and embedded A/V controls for one-touch access to entertainment. With a built-in camera and microphone for video messaging[5] and CD/DVD burner for storage, this blazing-fast PC is packed with exciting entertainment features.

VGN-FZ455E/B

VAIO® FZ Series Notebook PC

Specifications

General

Computer Type: Notebook
Type of Use: Portable
Action Buttons: S1 (programmable), Volume, AV Instant Mode, Play/Pause, FF, Rewind and Stop
Pointing Device: Electro-Static touch pad

Hardware

Keyboard: QWERTY, 86 keys with 2mm stroke and 19.05mm pitch
Camera: Built-in 1.3 megapixel MOTION EYE® camera and microphone

Processor

Type: Intel® Core™ 2 Duo Processor T5550
Speed: 1.83GHz[8]
Front Side Bus Speed: 667MHz
L2 Cache: 2MB
Technology: Intel® Centrino® Duo Processor Technology

Memory

Type: DDR2
Installed: 3GB(2GBx1 + 1GBx1) PC2-5300
Maximum: 4GB[14]
Speed: 667MHz

Hard Drive

Capacity: 250GB[9]
Speed: 5400rpm
Interface: Serial ATA

Optical Drive #1

DVD+R DL Write: 2.4x max.
DVD+R Write: 8x max.
DVD+RW Write: 4x max.
DVD-R Write: 8x max.
DVD-RW Write: 4x max.
CD-R Write: 8x max.
CD-RW Write: 8x max.
CD Read: 24x max.
DVD Read: 8x max.
DVD-RAM Write: 5x max.
DVD-R DL Write: 2x max.
BD-R Read: 2x max.
BD-ROM Read: 2x max.
BD-RE Read: 2x max.
BD-R DL Read: 1.6x max.
DVD-RAM Read: 5x max.
Blu-ray Disc™ Support: Yes[15] (BD-ROM Read/DVD±R DL/DVD±RW/DVD-RAM)
BD-RE DL Read: 1.6x max.

Expansion Slots

Multimedia Card Reader: One Memory Stick Duo™ media slot with MagicGate® functionality
One ExpressCard® /34 Slot
One Secure Digital Media slot (SD)

Audio

Sound System: Sony® Sound Reality™ - Audio Enhancer

Display

Screen or Display Technology: WXGA LCD
Screen Size: 15.4"[2]
Resolution: 1280 x 800
XBRITE-ECO™ Technology: Yes

Graphics

Processor: NVIDIA® GeForce® 8400M GT GPU with Total Available Graphics Memory of 1535MB (max.)[11]
Video RAM: 256MB dedicated Video RAM
Chipset: Mobile Intel® PM965 Express Chipset
Interface: VGA, S-Video and HDMI™ Out with Smart Display Sensor

Inputs and Outputs

HDMI™ Connection Output(s): 1
Headphone Jack: 1
Modem Jack: 1
Microphone Input: 1
S-Video Output(s): 1
USB Port(s): 3 (2.0 compliant)
VGA Output(s): 1
DC-In: 1
i.LINK® Connection: 1(4-pin) interface[7]
Ethernet Connection (s): 1

Networking/Modem

Ethernet Protocol: Fast Ethernet (RJ-45)
Ethernet Speed: 10Base-T/100Base-TX
Modem Type: Integrated V.92/V.90 Modem (RJ-11)
Wireless LAN: Intel® PRO/Wireless 4965AGN Network Connection (802.11a/b/g/n)[3]
Bluetooth® Technology: Integrated Stereo Bluetooth® Technology[16]

Power

Battery Type: Standard Lithium-ion Battery (VGP-BPS8)
Estimated Battery Life: 1.5 to 3.0 hours[6] (Standard Capacity Battery)
2.0 to 4.0 hours[5] (Large Capacity Battery)
Power Requirements: 110W+10%

Software

Operating System: Genuine Microsoft® Windows Vista® Home Premium
Internet Services: AOL® 90-Day Risk Free Trial - New Users Only
Supplied Software: Microsoft® Works SE 9.0 w/ 60-Day Trial Version of Microsoft® Office Home and Student 2007[10]
Sony® Original Software: Click to Disc™ Editor - DVD Creation
LocationFree Player® Software
*Please access VAIO® Help and Support from your PC for a complete list of software applications and trials.
Security and Anti-Virus Software: Norton 360™ All-In-One Security 60-day Trial

Service and Warranty Information

Telephone Support: 1 year toll-free technical telephone assistance, available 24/7[13]
Online and Email Support: Support available from http://www.esupport.sony.com/EN/VAIO
Limited Warranty Term: 1 Year Limited Warranty[12]

Dimensions

Weight: 5.9 lbs.[1] (with standard capacity battery)
Measurements: 14"(W) x 0.98-1.4"(H) x 10.02"(D)[1]

Supplied Accessories

Standard Lithium-ion battery (VGP-BPS8)
AC adapter
Power Cord

Optional Accessories

Large Capacity Lithium-ion Battery (VGP-BPL8)
Additional Standard Capacity Battery (VGP-BPS8)
AC Adapter (VGP-AC19V10)
Stick AC Adapter (VGP-AC19V21)
USB Laser Mouse (VGP-UMS55/B)
USB Laser Mouse (VGP-UMS55/S)
Neoprene Notebook and AC Adapter Case (VGP-AMC3)
All-in-one 2.1 Channel Speaker (VGP-SP100)
Sport Backpack (VGP-CCP4/L)
Urban Messenger Bag (VGP-AML2)

Color: Silver
UPC Code: 27242733107

1. Non-metric weights and measures are approximate and may vary.
2. Viewable area measured diagonally.
3. Requires 802.11n compatible access point. Some functionality may require Internet services, which may require a fee.
4. DVD media/formats are not universally compatible.
5. Broadband internet service required along with third party services which may require a subscription or other service fee.
6. Actual battery life will vary based on product settings, usage patterns, battery and environmental conditions.
7. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
8. GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
9. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
10. 60-Day Trial Version of Microsoft® Office 2007 - This trial software will work only for 60 days after you first use it. You will not be able to use the software if you do not activate it as described the first time you use the software. You can activate the software by Internet: Internet service charges may apply. If you want to keep using the software after the 60-day trial period, you must convert to the perpetual version. You can convert online by following the conversion instructions presented during setup and paying the required fees.
11. Total Available Graphics Memory refers to the new Windows Vista® classification of graphics memory, which is the total of Dedicated Video Memory, System Video Memory and Shared System Memory. Shared System Memory varies depending on the operating condition and system memory size.
12. See actual Limited Warranty for details. For a copy of Sony's warranty, please visit www.esupport.sony.com, call toll-free 888-476-6972 (888-4SONYPC), or write to Sony Electronics, 12451 Gateway Boulevard, Fort Myers, FL 33913.
13. For certain third party software applications, Sony provides first level Phone Support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the applicable software vendor.
14. A portion of the system memory over 3GB may not be available to the operating system.
15. As with other optical media devices, circumstances may limit compatibility or prevent Blu-ray Disc™ media playback. VAIO® computers may not support movie playback or packaged media recorded in AVC or VC1 formats at high bit rates.
16. Ability to use this Bluetooth® enabled product with other devices may vary as not all Bluetooth® devices are compatible.

Computer Interface: The computer industry lacks standards, and therefore, there are a multitude of varying software packages and add-on hardware options. This personal computer is not manufactured to operate any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned in this document. Sony hereby disclaims any representations or warranty that this product is compatible with any combination of products you may choose to connect. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony Notebook Computer are subject to change without notice. Simulated graphic shown on display. Pre-installed software may not be identical to retail versions or have all documentation. This product meets the standards of the International Energy Star Program for energy efficiency. Features and specifications are subject to change without notice.
Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance (www.eiae.org).
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